

## **Permission / Consent form**

**Name of the Principal Investigator** : Dr. T.G.VASANTHRAJA

**Year and Branch of PG Study** : 2013 / MS GENERAL SURGERY

**Title of study** : ***PLATELET COUNT AS A PROGNOSTIC INDICATOR  
IN BURN SEPTICAEMIA***

**Period of study** : 12 months

**Acceptance** :

**Permission from H.O.D.** :

**Permission from H.O.D. of  
collaborating  
Departments/ Institution** : -

**Permission from the Head of the  
Institution** :

**Acceptance / Consent from Ethics** :

Serial No.

**Coimbatore Medical College & Hospital**

**Coimbatore**

**Proforma Application for Ethics Committee/ PG Committee Approval**

**Section A**

- a. Title of study** : PLATELET COUNT AS A PROGNOSTIC  
INDICATOR IN BURN SEPTICEMIA
- b. Principal Investigator** : Dr.T.G.VASANTHRAJA – Post Graduate  
MS GENERAL SURGERY
- c. Co – Investigators** : Nil
- d. Guide (NAME AND DESIGNATION)** : Prof.Dr.V.ELANGO MS.,  
Associate Professor of surgery,  
Coimbatore Medical College and Hospital
- e. Name of Collaborating  
departments / Institutions** : -
- f. Whether permission has been  
obtained from the collaborating dept** :

**PREDICTION OF ANASTOMOTIC LEAK IN GASTRO-INTESTINAL  
SURGERIES USING “EVALUATION OF PHYSIOLOGICAL  
ABILITY AND SURGICAL STRESS” (E-PASS) SCORING**

**INVESTIGATOR:**

Dr. T.G.Vasanthraja  
M.S General Surgery Post Graduate  
Department of General Surgery  
Coimbatore Medical College and Hospital  
Coimbatore

**GUIDE:**

Prof.Dr.V.Elango.. M.S.,  
Professor of Surgery  
Department of General Surgery  
Coimbatore Medical College and Hospital  
Coimbatore

**INSTITUTION:**

Coimbatore Medical College and Hospital  
Coimbatore – 18  
Tamil Nadu.

## **APPENDIX I**

### **SUMMARY**

Skin an anatomical barrier from pathogens and damage between the internal and external environment in bodily defense; Langerhans cells in the skin are part of the adaptive immune system.

Loss of skin in burns patients lets them open to a wide variety of infectious organisms. This also depends on the extent of the body surface area, degree of the burns, immune capacity of the patient, etc..

In this study we attempt to find the correlation between the platelet count and its usefulness in predicting septicemia in burns patients. Once patient undergoes septicemia, it can affect almost all organ systems of body inducing systemic inflammatory response syndrome followed by multiple organ dysfunction syndrome with death as an ultimate effect

Septicemia is one of the leading cause of death in burns patients. Through this study we aim for commencement of timely vigorous treatment against it. Studies investigating the role of platelets and platelet count in burn patients are rare, rather old and mostly presenting case reports. Septicemia is the most important cause of mortality in burns. Burn patients can only be saved if septicemia is detected early which requires very sensitive prognostic indicator.

## **APPENDIX II**

### **AIM:**

- 1.** To evaluate platelet count as a prognostic indicator in burn septicemia

### **OBJECTIVES :**

- To evaluate platelet count as a prognostic indicator in burn septicaemia.
- To find the correlation of other factors that causes platelet count changes in severe burn patients.
- To identify the most common organisms involved in burn septicaemia.
- Correlation of body surface area burnt to the platelet levels.
- To find age groups involved in the burn injury.

## METHODOLOGY

- a. Where the proposed study will be undertaken? : Coimbatore Medical College hospital
- b. Duration of the project : 12 months
- c. Nature of the subjects : Adults
- d. Does the study involve adult patients? : Yes  
Does the study involve Children? : No  
Does the study involve normal Volunteers? : No  
Does the study involve Psychiatric Patients? : No  
Does the study involve Pregnant Women? : No
- e. Is the study a part of multicentric trial? : No
- f. Has the trial been approved by “Ethics Committees” of other centers?  
: N/A
- g. External funding ( if any) for the Project : No
- h. Does any agency have vested interest in the outcome of the Project?  
: No
- i. Will data relating to subjects/controls be stored in a computer?  
: Yes  
If YES , can you ensure confidentiality? : Yes
- j. Will the data analysis be done by  
- The Researcher ? : Yes  
- The funding Company : No
- k. Will Technical / Nursing help be required from the staff of the Hospital  
: YES  
Will it interfere with their duties : No
- l. Will you recruit other Staff for the duration of the study : No
- m. Will informed consent be taken : YES

## **METHODOLOGY AND TECHNIQUES**

- **SOURCE OF DATA:**

- patients admitted in Coimbatore Medical College and Hospital in burns ward

- **STUDY PLACE:**

- Coimbatore Medical College and Hospital.

- **STUDY DESIGN:**

- Prospective Observational Study

- **SAMPLE SIZE:**

- ALL PATIENTS WHO FIT THE CRITERIA

- **STUDY PERIOD:**

- SEPTEMBER 2014 – SEPTEMBER 2015

- **INCLUSION CRITERIA**

- Burns 20% to 50% of total body surface area.
- Age > 18yrs

- **EXCLUSION CRITERIA**

- Burns < 20% and > 50% excluded from the study.
- Age < 18 yrs. Are excluded from study.

patients admitted in general surgery department – Burns ward in Coimbatore Medical College will be studied prospectively during study period

- A detailed clinical history will be taken for all the patients. Thorough physical examination will be done for all the patients
- Patients will be evaluated for the extent of burns body surface area and the degree of burns.
- Routine blood investigations, temperature of the patient, PTR , and blood culture sensitivity.
- Antibiotic cover for the patients and routine dressing.

Evaluation of platelet count and its significance in early detection of post burn septicemia will be individually analysed for all the patients regarding prediction of septicemia

**PLACE:**

**SIGNATURE OF INVESTIGATOR**

**TIME:**

**SIGNATURE OF GUIDE**

(NAME AND DESIGNATION)

**SIGNATURE OF HOD**

(with department seal)

**SIGNATURE OF DEAN** (with seal)



## STATEMENT OF CONSENT

I, \_\_\_\_\_, do hereby volunteer and consent to participate in this study being conducted by **Dr. T.G.VASANTH RAJA**.on **“PLATELET COUNT AS A PROGNOSTIC INDICATOR IN BURN SEPTICAEMIA”**

I have read and understood the consent form / or it has been read and explained to me in my own language. The study has been fully explained to me, and I may ask questions at any time.

Signature / Left Thumb Impression of the Volunteer      Date:      Place:

Signature and Name of witness      Date:      Place:

Signature of the investigator:

Name of the investigator: